

Title (en)
PROCESS FOR THE PREPARATION OF POLYMER OF 1-BUTENE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON 1-BUTENPOLYMEREN

Title (fr)
PROCÉDÉ DE PRÉPARATION DE POLYMERES DE 1-BUTENE

Publication
EP 2419461 A1 20120222 (EN)

Application
EP 10711909 A 20100331

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Abstract (en)
[origin: WO2010118962A1] A process for the preparation of 1-butene homopolymers or 1-butene/alpha olefin copolymers wherein the alpha olefins are selected from ethylene, propylene or alpha olefins of formula CH₂=CHZ wherein Z is a C₃-C₂₀ alkyl radical, comprising contacting 1-butene or 1-butene and one or more alpha olefins under polymerization conditions in the presence of a catalyst system comprising: (a) a solid component comprising a Ti compound and an internal electron-donor compound supported on MgCl₂ (b) an alkylaluminum co catalyst; and (c) a compound of formula (I) as external donor Wherein: R₁, R₂, R₃ and R₄, equal to or different from each other, are hydrogen atoms or C₁-C₂₀ hydrocarbon radicals optionally containing heteroatoms belonging to groups 13-17 of the Periodic Table of the Elements; or two R₁, R₂, R₃ and R₄ can be joined to form a C₅-C₂₀, saturated or unsaturated ring.

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